

Osobni podaci

Ime i prezime: Jugoslav Stahov
Datum rođenja: 7.8.1951.
Mjesto rođenja: Kozarac
Adresa stanovanja: Stupine B7
75000,Tuzla
Telefon: 062/333 391
E-mail: stahov@bih.net.ba

Obrazovanje

Septembar 1966.- Juni 1970. Gimnazija u Travniku
Oktobar 1970.- Mart 1975. Studij teorijske fizike na Prirodoslovno-matematičkom fakultetu Sveučilišta u Zagrebu

Mart 1975. Odbranio diplomski rad:
Semileptonski raspadi elementarnih čestica

Oktobar 1975.-Juli 1978 Postdiplomski studij na Sveučilištu u Zagrebu

Juli 1978. Odbranio magistarski rad:
Procesi $\pi K \rightarrow \pi K$ i $\pi\pi \rightarrow K\bar{K}$ u K- matričnom formalizmu.
Novembar 1983. Odbranio doktorski rad:
Disperzije relacije po hiperbolama i viši pion-nukleon parcijalni valovi, Sveučilište u Zagrebu

Univerzitet u Tuzli:

1997. - 2016. redoviti profesor

1987. - 1997. vanredni profesor

1983.-1987. docent

1975.-1983. asistent

Abilene Christian University, Abilene,Tx, USA

2000. - 2011., gostujući profesor

Univerzitet u Sarajevu

2005.-2009. , gostujući profesor

Projekti i studije

Bibliografija

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2. S. Blatnik, J.Stahov, C. B. Lang , *The $\pi K \rightarrow \pi K$ Amplitude in the Unphysical Region*, Il Nuovo Cimento, 49A, 107 (1978).
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4. **J. Stahov**, *The Higher Pion- Nucleon Scattering Lengths from the Hyperbolic Partial Wave Relations*, Fizika, **17**, 237 (1985).
5. D. Davidović, M. Koprić, **J. Stahov**, *Inner Shell Ionisation of Atoms by the Relativistic Alpha Particle*, Journal of Physics B, **21**, 1563 (1988).
6. R. Decker, M. Nowakowski, **J. Stahov**, *The Magnetic Moments of Baryons and the Spin of the Proton*, Nucl. Physics, **A512**, 626 (1990).
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10. **J. Stahov**, *Determination of πN Low Energy Parameters from Forward Dispersion Relations*, Invited talk, Proceedings of the 7th International Symposium on Meson- Nucleon Physics and the Structure of the Nucleon- MENU **97**, Vancouver, πN Newsletter **13**, 174 (1997).
11. **J. Stahov**, *The subthreshold Expansion of the πN Invariant Amplitude in Dispersion Theory*, Invited talk, Proceedings of the 8th International Symposium on Meson- Nucleon Physics and the Structure of the Nucleon-MENU **99**, Zuoz, πN Newsletter **15**, 13 (1999).
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13. **J. Stahov**, *Calculation of Partial Waves from Hyperbolic Dispersion Relations*, Invited talk, Proceedings of the 9th International Symposium on Meson- Nucleon Physics and the Structure of the Nucleon-MENU **2001**, Washington D.C., 2001, πN Newsletter **16**, 116 (2002).
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http://www.ect.it/Meetings/ConfsWksAndCollMeetings/ConfWksDocument/2009/Talks/1_June/talks.htm.
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http://www.ect.it/Meetings/ConfsWksAndCollMeetings/ConfWksDocument/2009/Talks/1_June/talks.htm.
23. H. Osmanovic, S. Ceci, A. Svarc, M. Hadzimehmedovic, and **J. Stahov**, *Stability of the Zagreb realization of the Carnegie-Mellon-Berkeley coupled-channels unitary model*, Physical Review C **84** 035205 (2011).
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26. **J. Stahov**, H. Clement, G. J. Wagner, *Evaluation of the Pion-Nucleon Sigma Term from CHAOS data*, Phys.Lett. B**726** 685 (2013).
27. A. Švarc, M. Hadžimehmedović, R. Omerović, H. Osmanović, and **J. Stahov**, *Poles of Karlsruhe-Helsinki KH80 and KA84 solutions extracted by using the Laurent-Pietarinen method*, Phys. Rev. C **89**, 045205 (2014).
28. A. Švarc , M. Hadžimehmedović, H. Osmanović, J. Stahov , R. L. Workman, *Pole structure from energy-dependent and single-energy fits to GWU-SAID πN elastic scattering data*, Phys. Rev. C**91**, 015207 (2015)
29. H. Osmanovic, A. Svarc, M. Hadzimehmedovic, **J. Stahov**, L. Tiator, R. Workman, *A new method for extracting poles from single channel data-some results*, PWA tools in Hadronic Spectroscopy, Mainz, Germany, February 18-20, 2013. <http://conference.kph.uni-mainz.de/pwa2013/program/presentations.html>, <http://arxiv.org/pdf/1304.5896.pdf>.

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31. M. Hadžimehmedovic, V. Kashevarov, K. Nikonorov, R. Omerovic, H. Osmanovic, M. Ostrick, **J. Stahov**, A. Švarc, L. Tiator, *Partial wave analysis of η photoproduction data with analyticity constraints*, Exploring Hadron Resonances, Bled, Slovenia, <http://www-f1.ijs.si/Bled2015/>.
- . 32. A. Švarc, M. Hadžimehmedovic, **J. Stahov**, L. Tiator, *Generalization of the model independent Laurent–Pietarinen single-channel pole-extraction formalism to multiple channels*, Phys.Lett. B755 (2016) 452.

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- *Invarijantne amplitudе pion-nukleon raspršenja na niskim energijama i u nefizikalnoj oblasti unutar Mandelstamovog trokuta*, Federalno ministarstvo obrazovanja i nauke.
- *Računanje parcijalnih valova pion-nukleon raspršenja na niskim energijama iz relacija za parcijalne valove*, Federalno ministarstvo obrazovanja i nauke.
- *Određivanje polova T-matrice metodom vezanih kanala*, Federalno ministarstvo obrazovanja i nauke

O rezultatima svojih istraživanja istraživač je držao predavanja po pozivu na naučnim seminarima renomiranih instituta koji se bave fizikom čestica:

1. *The πN System*, Brookhaven National Laboratory, Brookhaven, USA, Juni-August 1998.
2. *Extrapolation of the πN Amplitudes into the Unphysical Region in Dispersion Theory*, Institut fuer Kernphysik, Forschungszentrum Juelich, Germany, Okt. 2000.
3. *Determination of the πN Sigma Term Using Dispersion Relations*, Institut de Physique Nucléaire, Université Paris XI, France, Jan. 2003.
4. *The Experimental Value of the πN Sigma Term*, Fakultaet fuer Physik, Physikalisches Institut, Eberhard-Karls Universitaet Tuebingen, Germany, Okt. 2003.
5. *On the Extraction of the πN Sigma Term from the CHAOS Data*, Fakultät für Physik, Physikalisches Institut, Eberhard-Karls Universitaet Tübingen, Germany, Feb. 2009.
6. *Selected topics in Complex analysis as tools in PWA*, Institut für Kernphysik, Universität Johan Gutenberg, Mainz, Germany, Oct. 2014.
7. *Partial Wave Analysis and Analyticity of Invariant Amplitudes*, Boppard , Germany Oct. 2014.

Univerzitetски udžbenici

1. J. Stahov, H. Osmanović, *Kvantna mehanika u primjerima*, Blicdruk, Sarajevo, 2013.
2. M. Busuladžić, A. Čerkić, A. Gazibegović- Busuladžić, E. Hasović, J. Stahov, *Fizika sa primjenama u biologiji i medicini*